

AMENDMENTS TO THE ABSTRACT

Please amend the Abstract as follows.

ABSTRACTFIBER-OPTIC INTERFEROMETRIC ROTATION SPEED SENSOR DEVICE

~~[[The]]~~ An fiber-optic interferometric rotation sensor device ~~of the invention comprises~~ has a laser source combined with an optical fiber. ~~These are and with a device configured to cause interference between for making the a beam from the laser source interfere with the and a beam coming from the optical fiber, and, according to one feature of the invention, the .~~ The laser source ~~[[is]]~~ includes an optical cavity having a gain lasing medium ~~and the .~~ The sensor device includes, along the path of the beam output by the laser cavity, a beam splitter device associated with a mirror, wherein the beam split off from the beam output by the laser cavity ~~[[being]]~~ is sent into one of the ends of the optical fiber~~[[,]]~~ and directed from the other end ~~of which is directed toward the gain lasing medium that forms to form a nonlinear mirror[[,]] [[the]] .~~ The splitter device ~~[[being]]~~ is followed by a detector.

FIGURE 1